

**To:** Dyment, Stephen[Dyment.Stephen@epa.gov]  
**From:** McKean, Deborah  
**Sent:** Wed 8/12/2015 1:50:55 AM  
**Subject:** RE: Gold King Response

Thanks for your offer. We have been monitoring the movement of the plume with the ASPEC plan, sampling of surface water from Silverton, CO thru NM into Utah and to CA. The plume is reaching Lake Powell.

We are in conversations with Silverton about an overall emergency response plan and plans to manage the other at-risk abandoned mines.

**From:** Dyment, Stephen  
**Sent:** Tuesday, August 11, 2015 8:51 AM  
**To:** McKean, Deborah  
**Subject:** Gold King Response

Deb,

I'm sure you have your hands full and it's possible that R8 has already tapped into some of these resources but in talking with other STLs about similar responses in their regions I've come across several potentially useful services. The first is a standing MOU that ORD has with USGS to get real-time satellite imagery, usually within a day or 2, the second is some NOAA surface water modeling for spill response that I've seen used in R7. If there is any need or desire to use these services just let me know and I will move quickly.

Much of this thinking stems from the fact that the RPM, Liz Fagen for the Upper Animas site contacted me last week (prior to the Gold King mine incident) to help her develop a conceptual site model. I started looking at a catchment model as one that we can very quickly develop for a preliminary understanding of surface and subsurface water flows as a means to begin to piece together the hydrogeologic CSM. While this may not have significant impact on the immediate Gold King response it can provide a watershed view of the hydrogeologic CSM and this perspective may come in very handy as we seek to investigate and remediate other parts up the Upper Animas while better preparing for and preventing similar releases or impacts.

Stephen Dyment

U.S. EPA Office of Research and Development

Region 8 Superfund and Technology Liaison

1595 Wynkoop Street

8EPR-PS Room 5204

Denver, CO 80202-1129

Phone: 303-312-7044

Fax: 303-312-7151

[dyment.stephen@epa.gov](mailto:dyment.stephen@epa.gov)